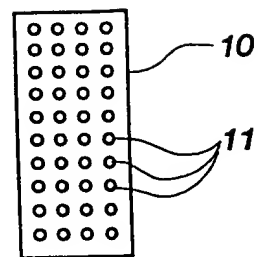
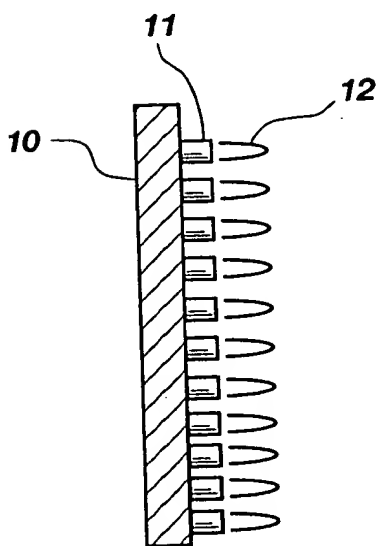


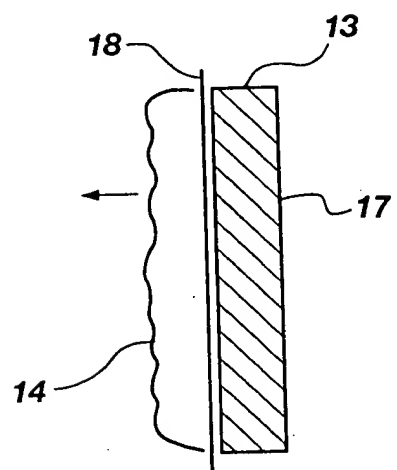
**Fig. 1a**



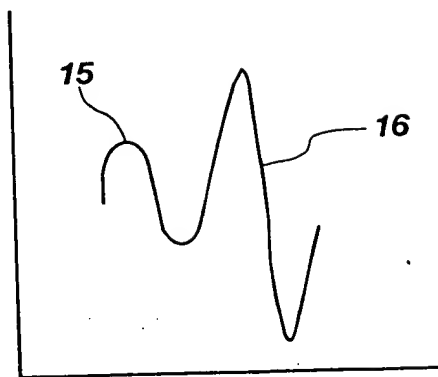
**Fig. 1b**



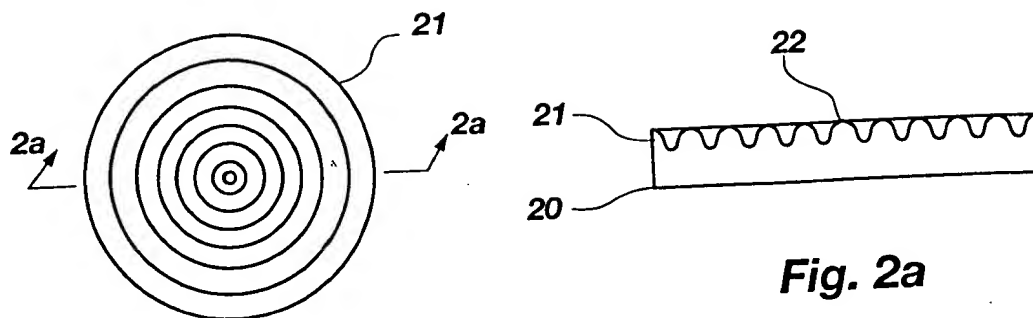
**Fig. 1c**



**Fig. 1d**

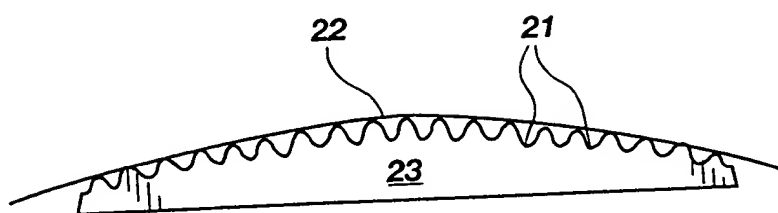


**Fig. 1e**

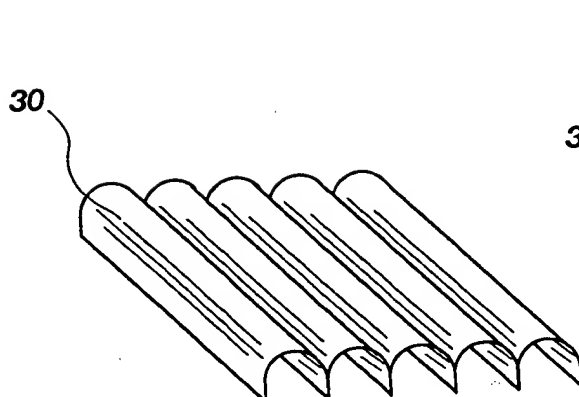


**Fig. 2a**

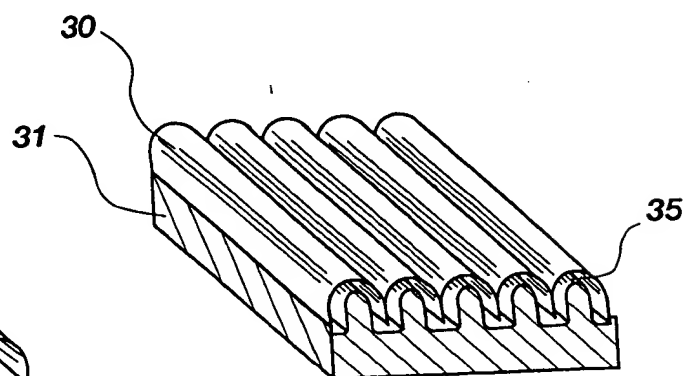
**Fig. 2**



**Fig. 2b**



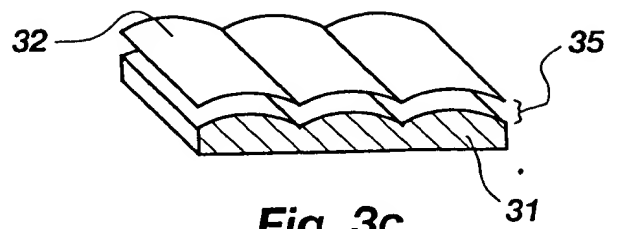
**Fig. 3**



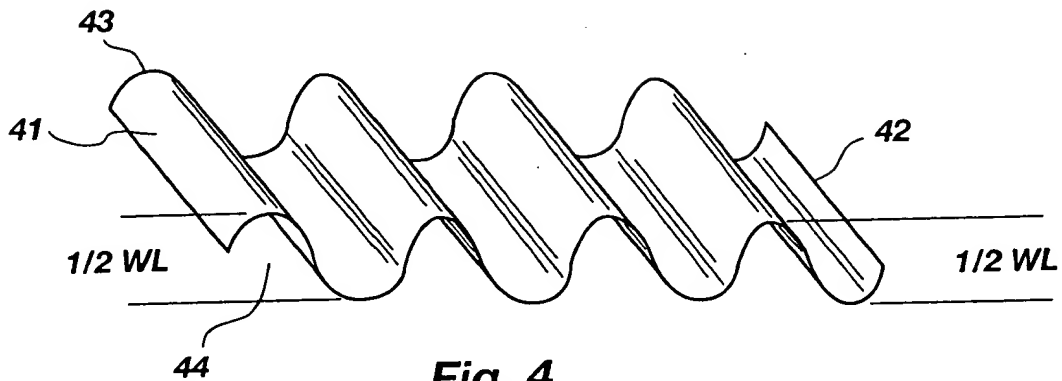
**Fig. 3a**



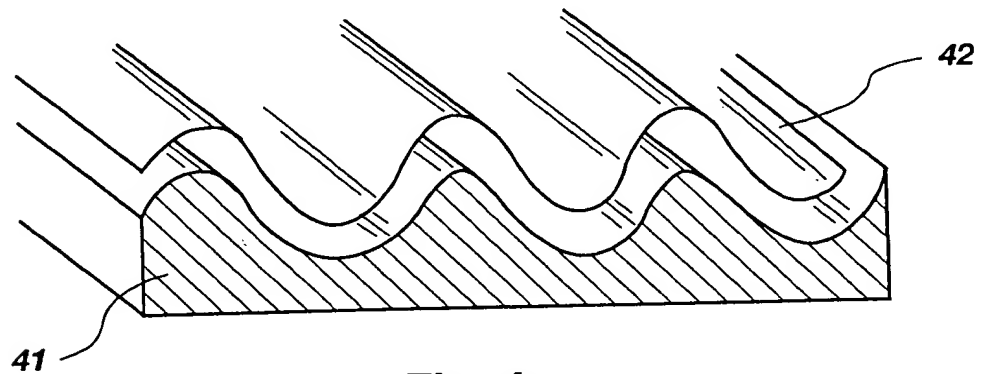
**Fig. 3b**



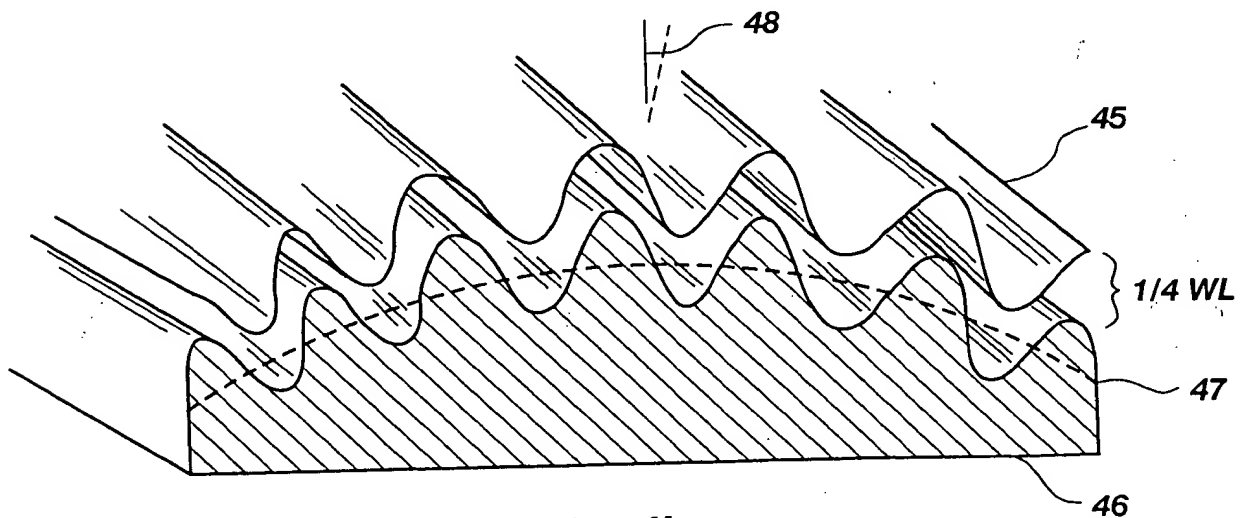
**Fig. 3c**



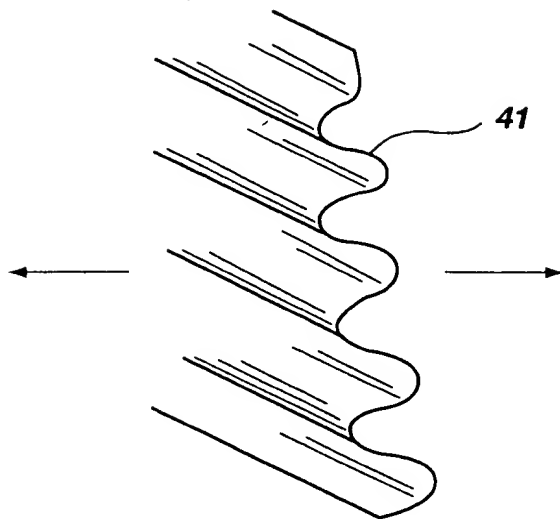
**Fig. 4**



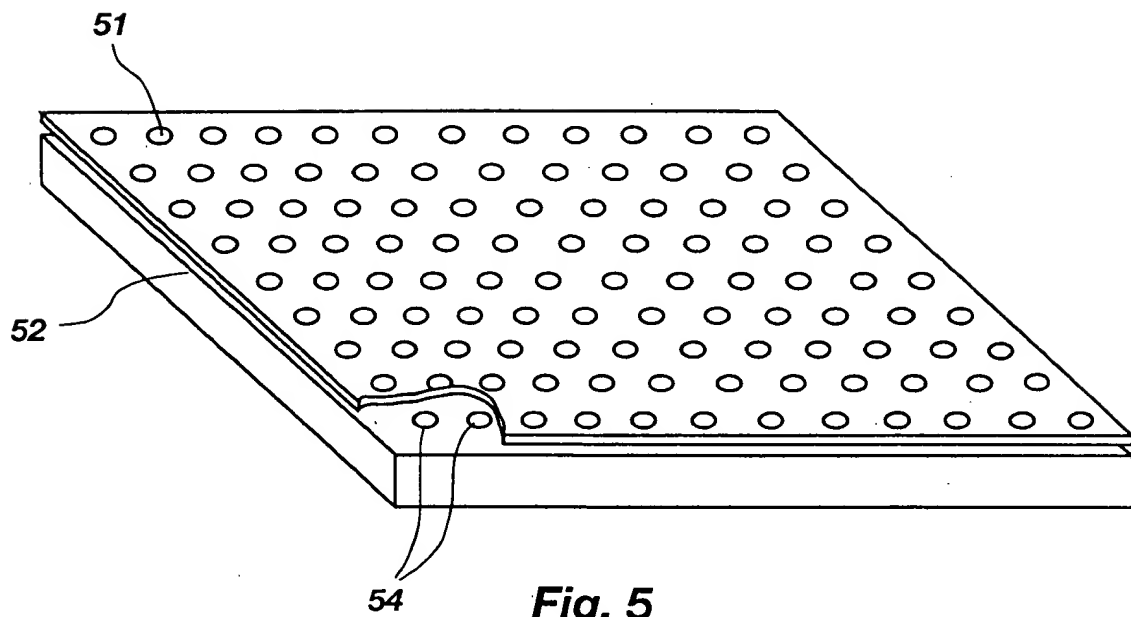
**Fig. 4a**



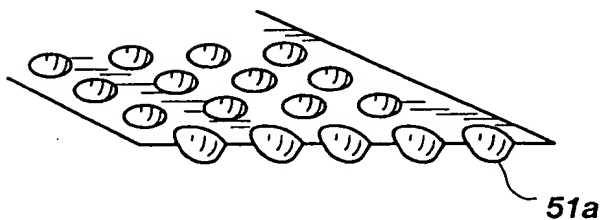
**Fig. 4b**



**Fig. 4c**



**Fig. 5**



**Fig. 5a**



**Fig. 5b**

fig 1

Jim Cuts  
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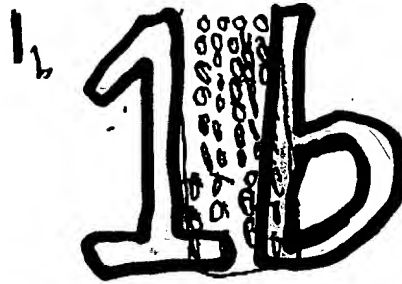
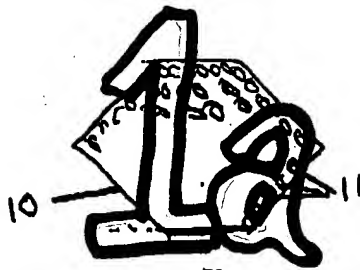


fig 2

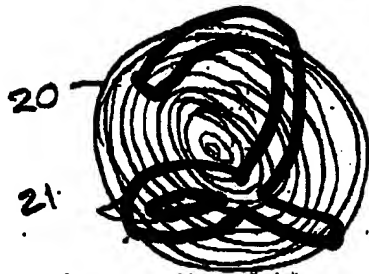
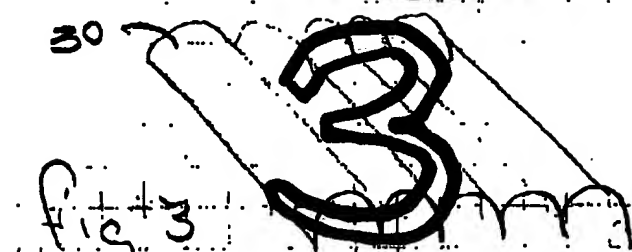


fig 2a



30

fig 3



31

fig 3a



33

fig 4

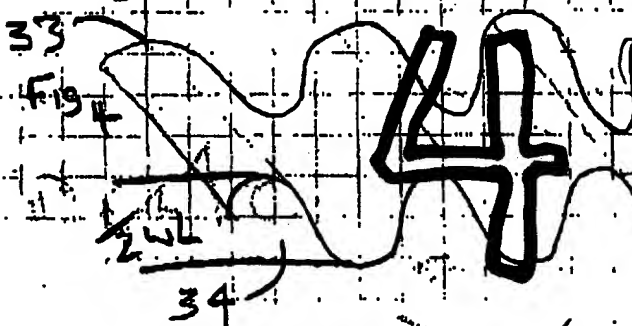
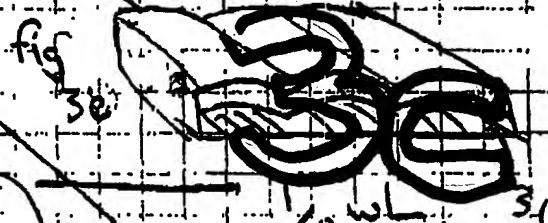


fig 4a

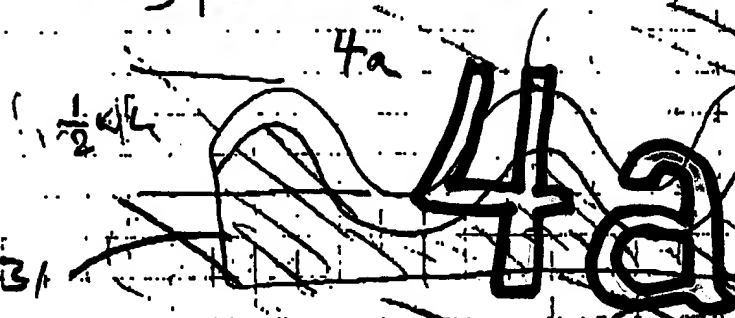


34

4a

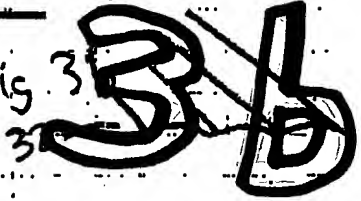
1/2 WL

31



33

fig 4b



1/4 WL

33

31



fig 4b

1/4 WL

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Fig 3

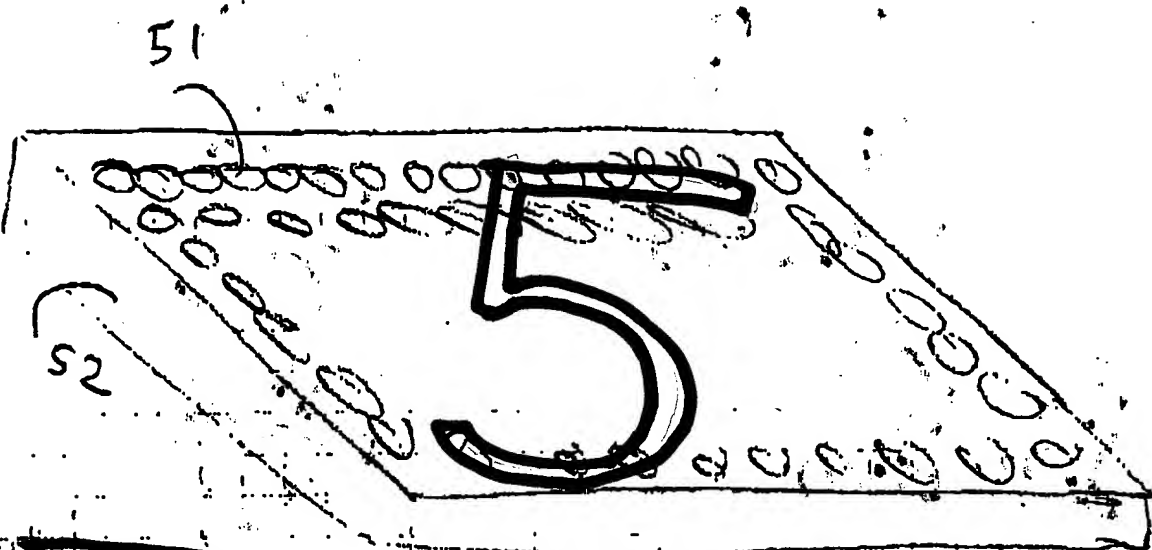


Fig 4a

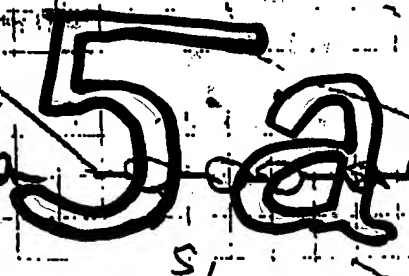


Fig 4b



Fig 4c



Jim Cox  
8/10/98

Fig 1c

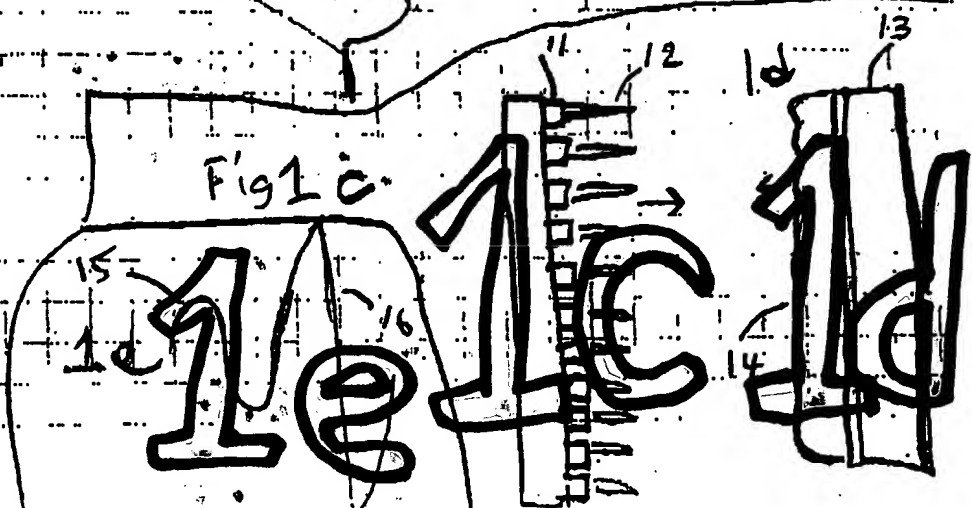
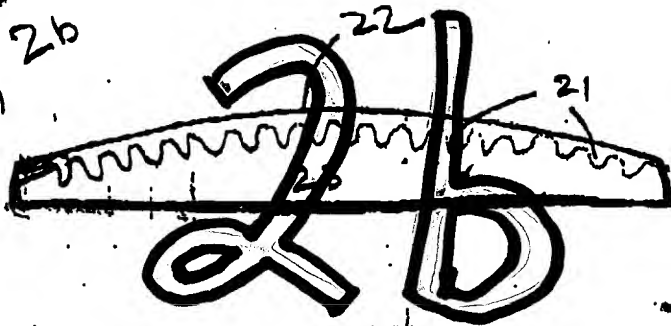
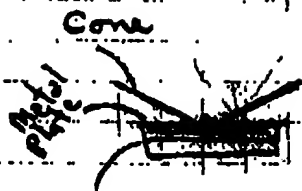




Fig 2b



curved Eel backplate



Piezo  
bi-morph or bender

Ceramic Piezo material

Non parametric Jams